

Overview of Comprehensive Math Strategies

Strategy One: Review of Key Concepts

Scripted intervention activities using Singapore Math After-school

- 18 scripted lessons around topics such as mental math, multiplication, estimation, long division, model drawing, fractions, decimals, and base 10.
- Incorporate activities/games from Explorations In Math whenever possible.
- Will be the standard curriculum for grades 2-5.
- Weekly, Mondays/Tuesdays. 30-45 minutes.

Strategy Two: Instructional, Step-by-Step Support

Scripted one-on-one/small group tutoring using Singapore Math Homeschool.

- Students will be given a placement test prior to beginning sessions to determine their skill level.
- Staff will mostly just use student textbooks, workbooks, and extra practice books.
- The teacher's guide (homeschool version) will be available as a resource, but won't necessarily be needed.
- During sessions, the tutor will sit with the student and go through the textbook together, with the student doing the problems with assistance. If they are struggling or having difficulty with the work, the tutor will use material from the workbooks or play an EDM game.
- This is our standard curriculum for grades 1-5. It will be used in our SES programs and any other program that involves interventional tutoring.
- Twice a week, minimum 30 minute sessions.

Strategy Three: Experiential and hands-on practice

Exposure to games and projects from Everyday Math and Explorations In Math.

- Staff will be much more intentional with the games they choose. The games will relate to the lessons and activities they are working on that week in school and in their interventional and tutoring sessions in the afternoon.
- Some of the material from Explorations In Math can be used as stand alone activities and projects.

Strategy Four: Make math fun!

Encourage confidence and excitement with math using Explorations In Math.

- Students will get to work together or compete against each other using graffiti wall style activities.